

Amendments to the Claims are reflected in the listing of claims, which begins on page 3 of this paper.

Remarks/Arguments begin on page 12 of this paper.

AMENDMENTS

Amendments to the Specification

In response to the Office Action, Applicant hereby submits the appended substitute specification (with clean and marked-up copies), including the original claims and Abstract. No new material has been added to the substitute specification.

Amendments to the claims and Abstract are made in this Office Action Response. As set forth below, the original claims have been cancelled, new claims submitted, and the Abstract amended.

Please amend the Abstract as follows:

A pure vacuum swing adsorption/desorption system and method, ~~unique apparatus means~~ wherein supplied air feedstock gas ~~mixture of molecular gases can be is~~ consistently separated to obtain with a high-purity oxygen end-product gas mixture ~~obtained with a minimum system consumption of electrical power, is described. In the particular case of air separation, the described system and unique apparatus means herein provides a method by which a~~ The system and method separate high-purity oxygen product can be separated from air ~~within~~ by sequenced adsorption and desorption operations occurring exclusively under vacuum pressure conditions. This allows for to obtain greatly reduced kilowatt-hours of electric power consumption per ~~hourly or daily~~ oxygen ton ~~production rates produced.~~